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An Observation

of Saturne, made at Paris, the 17th of August, 1668. at hor. 11^h,
at night, by M. Hugen, and M. Picart; as 'tis describ'd in the
Journal des Scavans of Febr. 11, 1669.

THe Observers, imploying a Telescope of 21 Foot, saw the Planet *Saturn*, as 'tis represented by *Fig. II.* the Globe in the middle manifestly appearing both above and below beyond the *Ovale* of his *Anses*; which was hardly discernable the last year.

They measur'd divers ways the Inclination of the *Great Diameter* of the *Ovale* to the *Equator*, which (Inclination) was found of about *Nine* degrees, although at that time it should not be but of *Four* degrees, according to what M. *Hugen* hath affirm'd in his *Systeme of Saturn*, viz. that the Plan of the Ring, which environs the Globe of this Planet, is inclin'd to the Plan of the *Ecliptique* but 23 deg. 30. m. But this last Observation and other like ones of this and the precedent Year being more exact, and made at a time more proper for measuring that obliquity, than were those, which had formerly served for a foundation to determine it; M. *Hugen* finds, that, instead of 23. deg. 30. m. the Angle of the Plans of the Ring and of the *Ecliptique* must be of 31. deg. or thereabout; and that being so, that not onely the Shape, which *Saturn* hath at present, but also all those, that have been noted since the true ones were observed, do perfectly agree with the *Hypothesis* of the Ring; and particularly that of 1664. in the beginning of *July**, which was made, and made

* See *Fig. 3.* as 'tis to be found in the French Letters, written by M. *Auzout* to M. L' *Abbé Charles*, and printed at Paris, A. 1665. upon the occasion of the *Ragguaglio di due Nuove Osservationi da Giuseppe Campani.*

publick by Signior *Campani*, wherein the Great Diameter is double to the Lesser.

As to the round *Phasis* of *Saturn*, that Change of the Inclination, which was just now spoken of, cannot alter the time of it but very little or nothing; so that M. *Hugen* still expects this Appearance in 1671. when in the Summer of that Year *Saturn* will begin to loose his *Anses*, there being then to remain onely the Globe in the Middle; and will not recover them but about a year

year after, according to what he hath said in his Book of the *Systeme of Saturn*.

An Extract

of *M. Dela Quintiny's Letter*, written to the Publisher in French sometime agoe, concerning his way of Ordering Melons; now communicated in English for the satisfaction of several curious Melonists in England.

I shall now answer to that particular of your Letter, which concerns *Melons*, as exactly as I can. All the *Seeds*, I sent you, produce *Melons* with a thin and somewhat embroder'd skin, not divid'd by Ribbs: Some of them have their skin whitish, others of the Colour of *Slate*. The *Melons* themselves are not very great, their flesh very red, dry, melting upon the tongue; not mealy, and of a high taste. And these are the two onely kinds, which, after I have tried above an hundred different sorts, I make use of, and send you, not having observ'd any change in them, after the use of 20 years.

As to the *manner* of cutting them, you know, that the first thing appearing of them, are two Leaves united, here called *Ears* (mark't in *Figure IV.* by 1. 1.) Out of the midst of these two *Ears* there shoots, some days after, first one Leaf, which we call the *first Leaf* or *Knot* (mark't 2.) and out of the same place, after some days more, shoots a *second*, call'd the *second knot* (mark't 3.) Out of about the midst of the Stalk of this second knot shoots the *third knot* (mark't 4.) And this *third knot* it is, which must be cut at the place markt 6, without hurting the branch of the second knot, whence this third came; because that from that place will spring a branch, which we call the *first Arm*, and this *Arm* will shoot forth first one knot, then a second, then a third; and this third it is, you are to cut again in the same manner, as was said before. And you must be careful to cut these *third knots*, without staying for the shooting of the *fourth* or *fifth* ones. You'll see out of every knot come forth *Arms* or *Branches* like to the *first*, spoken of before; and it is at those *Arms*, that the *Melon* will be produced. And they will be good, if the foot or root be well nourish't in good earth, and cherish't by a good hot-bed and

Fig. I

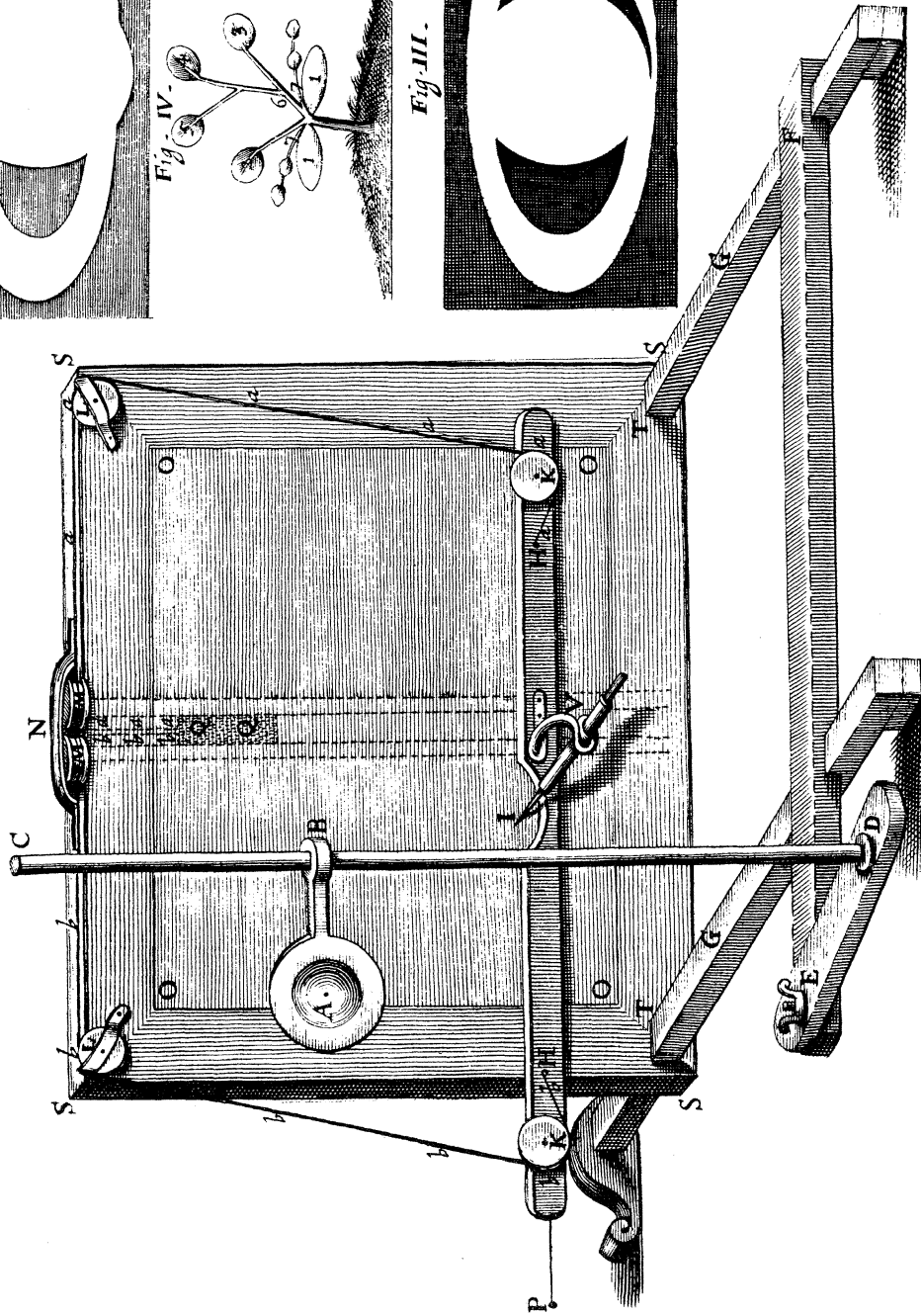


Fig. II.

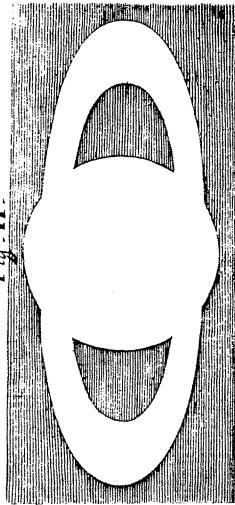


Fig. IV.

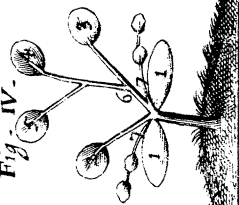


Fig. III.

